

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,328,053 B1
 APPLICATION NO. : 09/195791 5
 DATED : February 8, 2008
 INVENTOR(S) : Mohamed K. Diab et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 1, line 11, after "Oct. 6, 1993" insert -- and a continuation-in-part of Application Serial No. 08/249,690 (now U.S. Patent No. 5,482,036), filed May 26, 1994, which is a continuation of Application Serial No. 07/666,060, filed March 7, 1991 (now abandoned): --.

At column 17, line 35, after "(t)" insert -- = --.

At column 17, line 66, below "Equ. 20a" delete

" $s_{\lambda a}(t) = [\epsilon_{5,\lambda a} C5 + \epsilon_{6,\lambda a} C6] \chi_{5,6}(t)$ (20a) ".

At column 18, line 13, below "Equ. 21a" delete

" $n_{\lambda b}(t) = [\epsilon_{5,\lambda b} C3 + \epsilon_{6,\lambda b} C4] \chi_{3,4}(t)$ ".

At column 20, line 8, delete " $n''_{\lambda b}$ " and insert -- $n''_{\lambda a}$ --, therefor; line 14,

delete " $\epsilon_{6,\lambda b}$ " and insert -- $\epsilon_{6,\lambda b}$ --, therefor; line 22, delete "T" and insert -- , --, therefor.

At column 22, line 22, delete "(t)++" and insert -- (t)++ --, therefor.

At column 25, line 45, delete " $s_1(t)$ " and insert -- $s'(t)$ --, therefor.

At column 26, line 41, delete " $\Gamma_{e,m}(t)$ " and insert -- $\Gamma_{f,m}(t)$ --, therefor; line 49,

delete " $\delta_{f,m}(t)$," and insert -- $\Gamma_{f,m}(t)$, --, therefor.

At column 27, line 51, delete " $\gamma 0$ " and insert -- $\gamma 0$ --, therefor.

At column 28, line 6, delete " $\delta_{f,m}(t)$ " and insert -- $\Gamma_{f,m}(t)$ --, therefor; line 16,

after " γ_{m-1} " delete "(t)/ γ_{m-1} "; line 25, delete "FT" and insert -- Γ --, therefor; line 47,

delete " $S_{\lambda a}(t)$ " and insert -- $s_{\lambda a}(t)$ --, therefor; line 53, delete " $\delta_{f,m}(t)$ " and insert

-- $\Gamma_{f,m}(t)$ --, therefor.

At column 30, line 30, delete " $E_{b,m-1}$ " and insert -- $E^*_{b,m-1}$ --, therefor.

At column 31, line 40, delete " $\mathcal{F}_i(t) = \lambda \mathcal{F}_i$ " and insert -- $\mathcal{F}_{m-1}(t) = \lambda \mathcal{F}_{m-1}$ --,

therefor; line 25, delete " \mathcal{F} " and insert -- \mathcal{F}_m --, therefor.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,328,053 B1
APPLICATION NO. : 09/195791 ⁵
DATED : February 6, 2008
INVENTOR(S) : Mohamed K. Diab et al.

Page 2 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 34, line 50, delete "(t_i)" and insert -- (t₁) --, therefor; line 55, delete " $\epsilon_6, \lambda b c_6$ " and insert -- $\epsilon_6, \lambda b c_6$ --, therefor; line 63, delete " $\epsilon_{\lambda b c_6} \Delta \chi$ " and insert -- $\epsilon_6, \lambda b c_6 \Delta \chi$ --, therefor.

At column 41, line 23, after "demodulation" delete "is".

At column 44, line 5, delete "1R" and insert -- IR --, therefor; line 47, delete "'r'" and insert -- "r_n" --, therefor.

At column 45, line 2, delete "s_{red}(t)" and insert -- S_{red}(t) --, therefor.

At column 46, line 30, delete "vectors" and insert -- vector --, therefor.

At column 49, line 20, delete "(t_c)" and insert -- (t_c)² --, therefor; line 22, delete "(t_b)" and insert -- (t_b) --, therefor.

At column 55, line 60, delete "s₁" and insert -- s₂ --, therefor.

At column 57, line 14, delete "R₁₂(t₂)ix" and insert -- R₁₂(t₂)x --, therefor.

At column 62, line 14, delete "s'(t)" and insert -- s'(t) = --, therefor.

At column 64, line 53, delete "n₁(t)" and insert -- n'(t) --, therefor; line 62,

delete " $s_{\lambda a}(t)$ and $s_{\lambda b}(t)$ " and insert -- $S_{\lambda a}(t)$ and $S_{\lambda b}(t)$ --, therefor.

At column 65, line 26, delete " $\mathcal{Z}_m(t)$ " and insert -- $\mathcal{Z}_m(t)$, --, therefor; line 49,

delete " $S''_{nb}(t)$ " and insert -- $S''_{\lambda b}(t)$ --, therefor.

At column 68, line 56, after "wherein" delete "is".

This certificate supersedes
certificate of correction
issued April 28, 2009.

[Redacted Signature]

[Redacted Date]

[Redacted Signature]

[Redacted Date]